284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG No.: BN101624

Instrument ID: BNA_N Calibration Date/Time: 10/16/2024 1 15:59

Lab File ID: BN034612.D Init. Calib. Date(s):

EPA Sample No.: SICV230 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.537	0.526	0.010	-2.0801	40.0
Benzaldehyde	0.963	0.834	0.010	-13.4337	40.0
Pyridine	1.485	1.350	0.010	-9.0991	40.0
Phenol	1.714	1.665	0.080	-2.8751	20.0
Bis(2-Chloroethyl)ether	1.351	1.316	0.100	-2.6522	20.0
2-Chlorophenol	1.324	1.355	0.200	2.3649	20.0
2-Methylphenol	1.265	1.215	0.010	-3.9374	20.0
2,2-oxybis(1-Chloropropane)	2.036	1.966	0.010	-3.4163	40.0
Acetophenone	2.043	1.988	0.060	-2.675	20.0
4-Methylphenol	1.372	1.295	0.010	-5.5717	20.0
N-Nitroso-di-n-propylamine	0.995	0.966	0.050	-2.919	30.0
Hexachloroethane	0.552	0.552	0.100	-0.0494	20.0
Nitrobenzene	0.333	0.346	0.050	3.9902	25.0
Isophorone	0.658	0.639	0.050	-2.8403	25.0
2-Nitrophenol	0.129	0.142	0.050	9.9917	25.0
2,4-Dimethylphenol	0.323	0.284	0.050	-12.1532	25.0
Bis(2-Chloroethoxy)methane	0.406	0.403	0.050	-0.8151	20.0
2,4-Dichlorophenol	0.256	0.264	0.060	3.0717	20.0
Naphthalene	1.005	1.020	0.200	1.5037	20.0
4-Chloroaniline	0.412	0.422	0.010	2.4008	40.0
Hexachlorobutadiene	0.154	0.154	0.040	-0.4055	30.0
Caprolactam	0.100	0.091	0.010	-8.8605	40.0
4-Chloro-3-methylphenol	0.287	0.285	0.040	-0.5898	25.0
1-Methylnaphthalene	0.674	0.618	0.100	-8.2554	20.0
2-Methylnaphthalene	0.662	0.671	0.100	1.3196	20.0
Hexachlorocyclopentadiene	0.261	0.253	0.010	-2.9101	40.0
2,4,6-Trichlorophenol	0.285	0.316	0.090	10.7714	25.0
2,4,5-Trichlorophenol	0.316	0.344	0.100	8.7829	25.0
1,1-Biphenyl	1.373	1.464	0.200	6.6263	20.0
2-Chloronaphthalene	1.073	1.124	0.300	4.7275	20.0
2-Nitroaniline	0.282	0.315	0.050	11.9645	40.0
Dimethylphthalate	1.271	1.301	0.300	2.3738	20.0
2,6-Dinitrotoluene	0.220	0.265	0.080	20.5781	30.0
Acenaphthylene	1.703	1.840	0.400	8.028	20.0
3-Nitroaniline	0.281	0.322	0.010	14.6541	40.0
Acenaphthene	1.183	1.211	0.200	2.3915	20.0
2,4-Dinitrophenol	0.086	0.074	0.010	-13.9342	40.0
4-Nitrophenol	0.173	0.174	0.010	0.5685	40.0
Dibenzofuran	1.572	1.631	0.300	3.7625	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG No.: BN101624

Instrument ID: BNA_N Calibration Date/Time: 10/16/2024 15:59

Lab File ID: BN034612.D Init. Calib. Date(s):

EPA Sample No.: SICV230 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.314	0.341	0.070	8.6185	30.0
Diethylphthalate	1.289	1.286	0.300	-0.3025	20.0
Fluorene	1.267	1.310	0.200	3.42	20.0
4-Chlorophenyl-phenylether	0.569	0.581	0.100	2.0958	20.0
4-Nitroaniline	0.280	0.322	0.010	15.0172	40.0
4,6-Dinitro-2-methylphenol	0.078	0.070	0.010	-9.1157	40.0
N-Nitrosodiphenylamine	0.564	0.605	0.050	7.3573	20.0
1,2,4,5-Tetrachlorobenzene	0.491	0.523	0.100	6.3609	20.0
4-Bromophenyl-phenylether	0.174	0.181	0.070	3.8326	20.0
Hexachlorobenzene	0.200	0.209	0.050	4.5377	25.0
Atrazine	0.189	0.182	0.010	-3.7567	25.0
Pentachlorophenol	0.107	0.106	0.010	-0.8829	40.0
Phenanthrene	0.998	1.046	0.200	4.8158	20.0
Pentachlorobenzene	0.240	0.258	0.050	7.7188	20.0
Anthracene	1.031	1.075	0.200	4.2595	20.0
1,2,3,4-Tetrachlorobenzene	0.250	0.266	0.050	6.3289	20.0
Carbazole	0.955	1.015	0.050	6.2351	40.0
Di-n-butylphthalate	1.111	1.100	0.500	-1.0438	25.0
Fluoranthene	1.232	1.276	0.400	3.609	25.0
Pyrene	1.312	1.383	0.400	5.4177	25.0
Butylbenzylphthalate	0.487	0.482	0.100	-0.8708	40.0
3,3-Dichlorobenzidine	0.402	0.439	0.010	9.1267	40.0
Benzo(a)anthracene	1.271	1.299	0.300	2.2285	30.0
Chrysene	1.206	1.223	0.200	1.3699	30.0
Bis(2-ethylhexyl)phthalate	0.763	0.744	0.200	-2.5926	40.0
Di-n-octyl phthalate	1.162	1.097	0.010	-5.5892	40.0
Benzo(b)fluoranthene	1.075	1.097	0.200	2.0315	25.0
Benzo(k)fluoranthene	1.098	1.139	0.200	3.7585	25.0
Benzo(a)pyrene	1.041	1.097	0.200	5.4762	20.0
Indeno(1,2,3-cd)pyrene	1.298	1.375	0.200	5.9259	25.0
Dibenzo(a,h)anthracene	1.055	1.120	0.200	6.1236	30.0
Benzo(g,h,i)perylene	1.008	1.058	0.200	5.0268	30.0
2,3,4,6-Tetrachlorophenol	0.227	0.252	0.040	11.3288	20.0
1,4-Dioxane-d8	0.500	0.492	0.010	-1.5766	25.0
Pyridine-d5	1.459	1.516	0.010	3.9059	40.0
Phenol-d5	1.641	1.630	0.010	-0.7102	25.0
Bis-(2-Chloroethyl)ether-d8	1.012	1.100	0.050	8.6186	25.0
2-Chlorophenol-d4	1.268	1.294	0.200	2.0728	20.0
4-Methylphenol-d8	1.279	1.231	0.010	-3.798	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG No.: BN101624

Instrument ID: BNA_N Calibration Date/Time: 10/16/2024 1 15:59

Lab File ID: BN034612.D Init. Calib. Date(s):

EPA Sample No.: SICV230 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.139	0.151	0.050	8.1779	20.0
2-Nitrophenol-d4	0.110	0.125	0.050	13.8874	30.0
2,4-Dichlorophenol-d3	0.254	0.267	0.060	5.3913	20.0
4-Chloroaniline-d4	0.435	0.425	0.010	-2.1592	40.0
Dimethylphthalate-d6	1.265	1.288	0.300	1.7926	20.0
Acenaphthylene-d8	1.572	1.673	0.400	6.421	20.0
4-Nitrophenol-d4	0.236	0.237	0.010	0.7092	40.0
Fluorene-d10	1.094	1.138	0.100	3.9802	20.0
4,6-Dinitro-2-methylphenol-d2	0.067	0.060	0.010	-10.8943	40.0
Anthracene-d10	0.855	0.903	0.300	5.6191	20.0
Pyrene-d10	1.027	1.087	0.300	5.8684	25.0
Benzo(a)pyrene-d12	0.922	0.972	0.010	5.458	20.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:			
Sample Wt/Vol:	Units:	Final Vol:	
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Hit Summary Sheet
SW-846

SDG No.: BN101624

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG No.: BN101624

Instrument ID: Calibration Date(s): 10/16/2024

Calibration Time(s): 12:00

LAB FILE ID: RRFAL1 = BN034606.D RRFAL2 = BN034607.D RRFAL3 = BN034608.D
RRFAL4 = BN034609.D RRFAL5 = BN034610.D RRFAL6 = BN034611.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.517	0.541	0.562	0.533	0.532		0.537	3.0
Benzaldehyde		1.112	1.139	1.111	0.948	0.507	0.963	27.6
Pyridine		1.481	1.530	1.499	1.483	1.433	1.485	2.4
Hexachloroethane	0.527	0.542	0.568	0.568	0.556		0.552	3.2
Nitrobenzene	0.301	0.325	0.350	0.346	0.342		0.333	6.0
Isophorone	0.620	0.642	0.690	0.678	0.660		0.658	4.2
2-Nitrophenol	0.098	0.114	0.136	0.146	0.153		0.129	17.9
2,4-Dimethylphenol	0.305	0.316	0.338	0.333	0.321		0.323	4.1
Bis(2-Chloroethoxy)methane	0.388	0.401	0.426	0.413	0.402		0.406	3.5
2,4-Dichlorophenol	0.237	0.244	0.269	0.266	0.267		0.256	5.8
Naphthalene	0.974	1.002	1.061	1.008	0.982		1.005	3.4
4-Chloroaniline		0.407	0.434	0.423	0.406	0.392	0.412	4.0
Hexachlorobutadiene	0.153	0.150	0.159	0.158	0.151		0.154	2.8
Phenol		1.653	1.747	1.741	1.729	1.700	1.714	2.3
Caprolactam		0.090	0.101	0.103	0.104	0.101	0.100	5.4
4-Chloro-3-methylphenol	0.253	0.274	0.306	0.302	0.300		0.287	7.9
1-Methylnaphthalene	0.654	0.674	0.699	0.683	0.660		0.674	2.7
2-Methylnaphthalene	0.638	0.651	0.691	0.676	0.653		0.662	3.2
Hexachlorocyclopentadiene		0.234	0.258	0.274	0.271	0.268	0.261	6.3
2,4,6-Trichlorophenol	0.248	0.268	0.296	0.304	0.311		0.285	9.3
2,4,5-Trichlorophenol	0.279	0.306	0.322	0.334	0.339		0.316	7.7
1,1-Biphenyl	1.344	1.390	1.420	1.384	1.330		1.373	2.6
2-Chloronaphthalene	1.042	1.092	1.103	1.089	1.041		1.073	2.8
2-Nitroaniline	0.220	0.252	0.292	0.319	0.325		0.282	15.9
Bis(2-Chloroethyl)ether		1.329	1.387	1.385	1.356	1.299	1.351	2.8
Dimethylphthalate	1.229	1.272	1.303	1.304	1.246		1.271	2.6
2,6-Dinitrotoluene	0.165	0.192	0.228	0.254	0.261		0.220	18.6
Acenaphthylene	1.654	1.725	1.754	1.739	1.643		1.703	3.0
3-Nitroaniline		0.235	0.285	0.305	0.303	0.277	0.281	10.0
Acenaphthene	1.158	1.199	1.216	1.207	1.136		1.183	2.9
2,4-Dinitrophenol		0.049	0.064	0.084	0.104	0.128	0.086	36.5
4-Nitrophenol		0.156	0.176	0.181	0.176	0.175	0.173	5.7
Dibenzofuran	1.528	1.595	1.622	1.594	1.522		1.572	2.8
2,4-Dinitrotoluene	0.224	0.273	0.327	0.367	0.379		0.314	20.8
Diethylphthalate	1.220	1.275	1.338	1.327	1.286		1.289	3.6
2-Chlorophenol	1.236	1.301	1.355	1.361	1.367		1.324	4.2

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG No.: BN101624

Instrument ID: Calibration Date(s): 10/16/2024

Calibration Time(s): 12:00

LAB FILE ID: RRFAL1 = BN034606.D RRFAL2 = BN034607.D RRFAL3 = BN034608.D
RRFAL4 = BN034609.D RRFAL5 = BN034610.D RRFAL6 = BN034611.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.259	1.294	1.308	1.282	1.191		1.267	3.6
4-Chlorophenyl-phenylether	0.571	0.579	0.580	0.579	0.535		0.569	3.4
4-Nitroaniline		0.261	0.303	0.317	0.294	0.224	0.280	13.4
4,6-Dinitro-2-methylphenol		0.049	0.065	0.079	0.092	0.103	0.078	27.8
N-Nitrosodiphenylamine	0.545	0.556	0.586	0.577	0.554		0.564	3.0
1,2,4,5-Tetrachlorobenzene	0.480	0.496	0.505	0.495	0.482		0.491	2.2
4-Bromophenyl-phenylether	0.169	0.170	0.176	0.177	0.178		0.174	2.5
Hexachlorobenzene	0.194	0.200	0.199	0.204	0.203		0.200	1.9
Atrazine		0.178	0.195	0.197	0.192	0.182	0.189	4.5
Pentachlorophenol		0.084	0.100	0.112	0.117	0.123	0.107	14.4
2-Methylphenol		1.206	1.280	1.284	1.290	1.266	1.265	2.7
Phenanthrene	1.000	1.006	1.018	1.011	0.957		0.998	2.4
Pentachlorobenzene	0.235	0.237	0.245	0.245	0.236		0.240	2.1
Anthracene	1.021	1.031	1.052	1.048	1.005		1.031	1.9
1,2,3,4-Tetrachlorobenzene	0.245	0.248	0.254	0.255	0.251		0.250	1.7
Carbazole		0.954	1.024	0.984	0.945	0.868	0.955	6.1
Di-n-butylphthalate	1.028	1.064	1.159	1.162	1.143		1.111	5.5
Fluoranthene	1.199	1.233	1.286	1.231	1.212		1.232	2.7
Pyrene	1.271	1.313	1.393	1.299	1.286		1.312	3.6
Butylbenzylphthalate	0.372	0.427	0.517	0.546	0.571		0.487	17.3
3,3-Dichlorobenzidine		0.385	0.429	0.428	0.408	0.362	0.402	7.2
2,2-oxybis(1-Chloropropane)		2.030	2.104	2.099	2.046	1.900	2.036	4.1
Benzo(a)anthracene	1.222	1.275	1.327	1.290	1.240		1.271	3.3
Chrysene	1.172	1.191	1.257	1.215	1.195		1.206	2.7
Bis(2-ethylhexyl)phthalate	0.630	0.708	0.791	0.837	0.850		0.763	12.2
Di-n-octyl phthalate		1.001	1.157	1.238	1.240	1.175	1.162	8.4
Benzo(b)fluoranthene	1.003	1.046	1.137	1.110	1.078		1.075	4.9
Benzo(k)fluoranthene	1.027	1.082	1.150	1.127	1.105		1.098	4.3
Benzo(a)pyrene	0.957	1.024	1.088	1.072	1.062		1.041	5.0
Indeno(1,2,3-cd)pyrene	1.183	1.297	1.348	1.344	1.317		1.298	5.2
Dibenzo(a,h)anthracene	0.960	1.039	1.102	1.099	1.075		1.055	5.6
Benzo(g,h,i)perylene	0.927	0.991	1.060	1.035	1.025		1.008	5.1
Acetophenone		1.989	2.107	2.091	2.074	1.953	2.043	3.3
2,3,4,6-Tetrachlorophenol	0.190	0.207	0.231	0.249	0.256		0.227	12.2
1,4-Dioxane-d8	0.524	0.489	0.505	0.495	0.486		0.500	3.1
Pyridine-d5		1.447	1.501	1.474	1.470	1.405	1.459	2.4

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG No.: BN101624

Instrument ID: Calibration Date(s): 10/16/2024

Calibration Time(s): 12:00

LAB FILE ID: RRFAL1 = BN034606.D RRFAL2 = BN034607.D RRFAL3 = BN034608.D
RRFAL4 = BN034609.D RRFAL5 = BN034610.D RRFAL6 = BN034611.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.570	1.648	1.657	1.684	1.647	1.641	2.6
Bis-(2-Chloroethyl)ether-d8		1.003	1.036	1.029	1.024	0.970	1.012	2.7
2-Chlorophenol-d4	1.157	1.230	1.304	1.318	1.331		1.268	5.8
4-Methylphenol-d8		1.199	1.279	1.303	1.321	1.295	1.279	3.7
Nitrobenzene-d5	0.122	0.131	0.145	0.150	0.148		0.139	8.8
2-Nitrophenol-d4	0.084	0.092	0.112	0.126	0.136		0.110	20.1
2,4-Dichlorophenol-d3	0.231	0.243	0.265	0.266	0.263		0.254	6.3
4-Chloroaniline-d4		0.420	0.456	0.449	0.432	0.418	0.435	4.0
4-Methylphenol		1.284	1.391	1.403	1.409	1.371	1.372	3.7
Dimethylphthalate-d6	1.208	1.255	1.305	1.301	1.256		1.265	3.2
Acenaphthylene-d8	1.508	1.581	1.631	1.610	1.528		1.572	3.3
4-Nitrophenol-d4		0.191	0.228	0.244	0.253	0.262	0.236	11.8
Fluorene-d10	1.075	1.078	1.135	1.119	1.064		1.094	2.8
4,6-Dinitro-2-methylphenol-		0.040	0.053	0.068	0.082	0.092	0.067	31.9
Anthracene-d10	0.836	0.834	0.893	0.868	0.844		0.855	2.9
Pyrene-d10	1.012	1.009	1.058	1.031	1.024		1.027	1.9
Benzo(a)pyrene-d12	0.844	0.912	0.966	0.958	0.927		0.922	5.3
N-Nitroso-di-n-propylamine	0.929	0.967	1.030	1.035	1.013		0.995	4.6

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG NO.: BN101624

EPA Sample No.: SSTD020226 Date Analyzed: Oct 16 2024 12:00AM

Lab File ID: BN034608.D Time Analyzed: 15:59

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	207827	7.663	869283	10.44	531386	14.30
	UPPER LIMIT	415654	8.163	1738566	10.94	1062772	14.798
	LOWER LIMIT	103913.5	7.163	434641.5	9.94	265693	13.798
	EPA SAMPLE NO.						
01	SICV230	206729	7.66	831956	10.44	455289	14.30

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG NO.: BN101624

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG NO.: BN101624

EPA Sample No.: SSTD020226 Date Analyzed: Oct 16 2024 12:00AM

Lab File ID: BN034608.D Time Analyzed: 15:59

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.03171e+0(	17.039	916159	21.268	1.05271e+0(	24.156
	UPPER LIMIT	2063420	17.539	1832318	21.768	2105420	24.656
	LOWER LIMIT	515855	16.539	458079.5	20.768	526355	23.656
	EPA SAMPLE NO.						
01	SICV230	830685	17.04	724577	21.27	826385	24.16

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG NO.: BN101624

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN101624

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	1,4-Dioxane	8	0	ug/L	0				0	0	
	Benzaldehyde	20	0	ug/L	0				0	0	
	Pyridine	20	0	ug/L	0				0	0	
	Phenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethyl)ether	20	0	ug/L	0				0	0	
	2-Chlorophenol	20	0	ug/L	0				0	0	
	2-Methylphenol	20	0	ug/L	0				0	0	
	2,2-oxybis(1-Chloropropane)	20	0	ug/L	0				0	0	
	Acetophenone	20	0	ug/L	0				0	0	
	4-Methylphenol	20	0	ug/L	0				0	0	
	N-Nitroso-di-n-propylamine	20	0	ug/L	0				0	0	
	Hexachloroethane	20	0	ug/L	0				0	0	
	Nitrobenzene	20	0	ug/L	0				0	0	
	Isophorone	20	0	ug/L	0				0	0	
	2-Nitrophenol	20	0	ug/L	0				0	0	
	2,4-Dimethylphenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethoxy)methane	20	0	ug/L	0				0	0	
	2,4-Dichlorophenol	20	0	ug/L	0				0	0	
	Naphthalene	20	0	ug/L	0				0	0	
	4-Chloroaniline	20	0	ug/L	0				0	0	
	Hexachlorobutadiene	20	0	ug/L	0				0	0	
	Caprolactam	20	0	ug/L	0				0	0	
	4-Chloro-3-methylphenol	20	0	ug/L	0				0	0	
	1-Methylnaphthalene	20	0	ug/L	0				0	0	
	2-Methylnaphthalene	20	0	ug/L	0				0	0	
	Hexachlorocyclopentadiene	20	0	ug/L	0				0	0	
	2,4,6-Trichlorophenol	20	0	ug/L	0				0	0	
	2,4,5-Trichlorophenol	20	0	ug/L	0				0	0	
	1,1'-Biphenyl	20	0	ug/L	0				0	0	
	2-Chloronaphthalene	20	0	ug/L	0				0	0	
	2-Nitroaniline	20	0	ug/L	0				0	0	
	Dimethylphthalate	20	0	ug/L	0				0	0	
	2,6-Dinitrotoluene	20	0	ug/L	0				0	0	
	Acenaphthylene	20	0	ug/L	0				0	0	
	3-Nitroaniline	20	0	ug/L	0				0	0	
	Acenaphthene	20	0	ug/L	0				0	0	
	2,4-Dinitrophenol	20	0	ug/L	0				0	0	
	4-Nitrophenol	20	0	ug/L	0				0	0	
	Dibenzofuran	20	0	ug/L	0				0	0	
	2,4-Dinitrotoluene	20	0	ug/L	0				0	0	
	Diethylphthalate	20	0	ug/L	0				0	0	
	Fluorene	20	0	ug/L	0				0	0	
	4-Chlorophenyl-phenylether	20	0	ug/L	0				0	0	
	4-Nitroaniline	20	0	ug/L	0				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN101624

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	
	1,2,4,5-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	4-Bromophenyl-phenylether	20	0	ug/L	0				0	0	
	Hexachlorobenzene	20	0	ug/L	0				0	0	
	Atrazine	20	0	ug/L	0				0	0	
	Pentachlorophenol	20	0	ug/L	0				0	0	
	Phenanthrene	20	0	ug/L	0				0	0	
	Pentachlorobenzene	20	0	ug/L	0				0	0	
	Anthracene	20	0	ug/L	0				0	0	
	1,2,3,4-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	Carbazole	20	0	ug/L	0				0	0	
	Di-n-butylphthalate	20	0	ug/L	0				0	0	
	Fluoranthene	20	0	ug/L	0				0	0	
	Pyrene	20	0	ug/L	0				0	0	
	Butylbenzylphthalate	20	0	ug/L	0				0	0	
	3,3'-Dichlorobenzidine	20	0	ug/L	0				0	0	
	Benzo(a)anthracene	20	0	ug/L	0				0	0	
	Chrysene	20	0	ug/L	0				0	0	
	Bis(2-ethylhexyl)phthalate	20	0	ug/L	0				0	0	
	Di-n-octylphthalate	20	0	ug/L	0				0	0	
	Benzo(b)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(k)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(a)pyrene	20	0	ug/L	0				0	0	
	Indeno(1,2,3-cd)pyrene	20	0	ug/L	0				0	0	
	Dibenzo(a,h)anthracene	20	0	ug/L	0				0	0	
	Benzo(g,h,i)perylene	20	0	ug/L	0				0	0	
	2,3,4,6-Tetrachlorophenol	20	0	ug/L	0				0	0	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101624 SAS No.: BN101624 SDG NO.: BN101624

Lab File ID: Lab Sample ID:

Instrument ID: Date Extracted:

Matrix: (soil/water) Date Analyzed:

Level: (low/med) Time Analyzed:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method:

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN101624

Lab Code: CHEM SAS No.: BN101624 SDG NO.: BN101624

Lab File ID: BN034605.D DFTPP Injection Date: 10/16/2024

Instrument ID: BNA_N DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	39.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	50.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	23.6
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.5
443	15.0 - 24.0% of mass 442	14.7 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD005224	SSTD00586	BN034606.D	10/16/2024	12:00
SSTD010225	SSTD01087	BN034607.D	10/16/2024	12:39
SSTD020226	SSTD02088	BN034608.D	10/16/2024	13:18
SSTD040227	SSTD04089	BN034609.D	10/16/2024	13:58
SSTD080228	SSTD08090	BN034610.D	10/16/2024	14:37
SSTD160229	SSTD16091	BN034611.D	10/16/2024	15:16
SICV230	SSTDICV020	BN034612.D	10/16/2024	15:59